

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18092	(706/19,21,45-48,903,904,906,912,914,925   228/101,102,120,121,122.1,125,132,133,148,141.1,8,11,33,56.3   700/9,13-19,28-37,67,90-92,95,97,104-111,123,145,212). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 13:01
S2	403	S1 and weld\$4 near process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:14
S3	0	S2 and compare near process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:15
S4	143	S2 and cost	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:18
S5	91	S4 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/08 15:27
S6	286	S1 and ("arc weld\$4" or gmaw or mig or fcaw or saw)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:26
S7	8	S6 and compare near process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:20
S8	1	10/731215.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:20

## EAST Search History

S9	18274	(706/19,21,45-48,903,904,906,912,914,925   228/101,102,120,121,122.1,125,132,133,148,141.1,8,11,33,56.3   700/9,13-19,28-37,49-52,67,90-92,95,97,104-111,123,145,212).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:21
S10	403	S9 and weld\$4 near process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 15:17
S11	287	S9 and ("arc weld\$4" or gmaw or mig or fcaw or saw)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:26
S12	188	S11 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 15:18
S13	3	"6912447".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:36
S14	2	10/327730.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:36
S15	10	("20020065790"   "20030074329"   "20040073469"   "20040083010"   "3654616"   "4447698"   "6051805"   "6072145"   "6414259"   "6636776").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 11:43
S16	1	09/900987.app.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 11:43
S17	6	("5808885"   "5850066"   "5859847"   "6002104"   "6018729"   "6040555").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/30 11:47

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S18	18274	(706/19,21,45-48,903,904,906,912,914,925   228/101,102,120,121,122.1,125,132,133,148,141.1,8,11,33,56.3   700/9,13-19,28-37,49-52,67,90-92,95,97,104-111,123,145,212).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 15:18
S19	427	S18 and weld\$4 near (process or procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 15:18
S20	331	S19 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 13:56
S21	2	"6636776".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 13:01
S22	18274	(706/19,21,45-48,903,904,906,912,914,925   228/101,102,120,121,122.1,125,132,133,148,141.1,8,11,33,56.3   700/9,13-19,28-37,49-52,67,90-92,95,97,104-111,123,145,212).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:59
S23	427	S22 and weld\$4 near (process or procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:57
S24	331	S23 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 13:56
S25	261	S24 and (duty cycle or cycle time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 13:58

## EAST Search History

S26	27	S24 and ("duty cycle" or "cycle time")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 13:58
S27	37291	weld\$4 near process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:16
S28	14	S27 and compare near process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:15
S29	40006	weld\$4 near (process or procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 13:50
S30	0	S29 and ("duty cycle" or "cycle time") near compare	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:18
S31	15	S29 and ("duty cycle" or "cycle time") near compar\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:21
S32	319	S29 and time near compar\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:21
S33	2228	S22 and manufactur\$4 near (process or procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 16:24

## EAST Search History

S34	18342	(706/19,21,45-48,903,904,906,912,914,925   228/101,102,120,121,122.1,125,132,133,148,141.1,8,11,33,56.3   700/9,13-19,28-37,49-52,67,90-92,95,97,104-111,123,145,212,296).ccs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 14:59
S35	270	S34 and manufactur\$4 near (process or procedure) and ("duty cycle" or "cycle time")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:01
S36	131	S35 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:01
S37	3	S23 and "joint type"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 15:58
S38	5844468	S22 and manufactur\$4 near (process or procedure) and labor cost or power cost	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 16:25
S39	69	S22 and manufactur\$4 near (process or procedure) and ("labor cost" or "power cost")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/31 16:25
S40	18285	(706/19,21,45-48,903,904,906,912,914,925   228/101,102,120,121,122.1,125,132,133,148,141.1,8,11,33,56.3   700/9,13-19,28-37,49-52,67,90-92,95,97,104-111,123,145,212).ccs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 13:40
S41	427	S40 and weld\$4 near (process or procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 13:40

## EAST Search History

S42	331	S41 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 13:41
S43	40	S42 and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 13:41
S44	2	weld\$4 near (process or procedure) and display near joint	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 13:51
S45	110	weld\$4 near (process or procedure) and display same joint	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 13:51
S46	18353	(706/19,21,45-48,903,904,906,912,914,925   228/101,102,120,121,122.1,125,132,133,148,141.1,8,11,33,56.3   700/9,13-19,28-37,49-52,67,90-92,95,97,104-111,123,145,212,296).cls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:33
S47	23	S46 and manufactur\$4 near (process or procedure) and ("duty cycle" or "cycle time" or duration) same decrease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:21
S48	2171	manufactur\$4 near (process or procedure) and ("duty cycle" or "cycle time" or duration) same decrease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:18
S49	1196	S48 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:17

## EAST Search History

S50	1	manufactur\$4 near (process or procedure)near optimization and ("duty cycle" or "cycle time" or duration) same decrease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:16
S51	1	manufactur\$4 near (process or procedure) near optimization and ("duty cycle" or "cycle time" or duration) same decrease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:16
S52	145	manufactur\$4 near (process or procedure) near optimization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:16
S53	57	S52 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:18
S54	30	S46 and manufactur\$4 near optimization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:21
S55	8	706/926	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 14:32
S56	123609	(manufactur\$4 or business) near (process or procedure) and time same (reduc\$6 or minimiz\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:24
S57	13528	S56 and weld\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:21

## EAST Search History

S58	1469	S56 and weld\$4 near (process procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:24
S59	852	S58 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:25
S60	72969	(manufactur\$4 or business) near (process or procedure) and time with (reduc\$6 or minimiz\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 14:07
S61	907	S60 and weld\$4 near (process procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:34
S62	515	S61 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:25
S63	884	S60 and (706/19,21,45-48,903,904, 906,912,914,925   228/101,102, 120,121,122.1,125,132,133,148, 141.1,8,11,33,56.3   700/9,13-19, 28-37,49-52,67,90-92,95,97, 104-111,123,145,212,296).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:34
S64	14	S63 and weld\$4 near (process procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 13:34
S65	1300	(manufactur\$4 or business) near (process or procedure) near (optimization or improvement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:46



## EAST Search History

S66	79	S65 and (time or duration) near (reduc\$6 or minimiz\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:29
S67	1300	(manufactur\$4 or business) near (process or procedure) near (optimization or improvement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:29
S68	493	S67 and (time or duration) same (reduc\$6 or minimiz\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:29
S69	297	S68 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:57
S70	28234	"700"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:45
S71	48	S70 and (manufactur\$4 or business) near (process or procedure) near (optimization or improvement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:55
S72	2879	S70 and (time or duration) near5 (reduction or minimiz\$6 or decrease)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:56
S73	2566	S72 and process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:57

## EAST Search History

S74	728	S73 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/02 15:57
S75	6	("5808885"   "5850066"   "5859847"   "6002104"   "6018729"   "6040555").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 16:17
S76	14	("2340114"   "2366548"   "3359561"   "3535491"   "3725637"   "3950759"   "4375026"   "4605836"   "4996409"   "5708253").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/08 15:09
S77	6001	weld\$4 same (duration or "duty cycle")	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/08 15:26
S78	111	S77 and optimization	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/08 15:27
S79	56	S78 and (@pd<"2003"   @py<"2003")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/08 15:27